



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date:

Effective Date:

Expiration Date:

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

**TITLE V Permit No: 06-05078**

Federal Tax Id - Plant Code: 23-1720564-1

**Owner Information**

Name: FR & S INC  
Mailing Address: 727 REDLANE RD  
BIRDSBORO, PA 19508-1702

**Plant Information**

Plant: FR&S INC/PIONEER CROSSING LDFL  
Location: 06 Berks County 06932 Exeter Township  
SIC Code: 4953 Trans. & Utilities - Refuse Systems

**Responsible Official**

Name: THOMAS O'CONNOR  
Title: GEN MGR  
Phone: (610) 582 - 2900

**Permit Contact Person**

Name: JONATHAN MARCH  
Title: PLC ENGINEER  
Phone: (267) 933 - 6120

[Signature] \_\_\_\_\_  
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER

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Note: These same sub-sections are repeated for each source!

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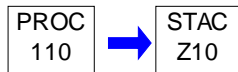
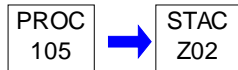
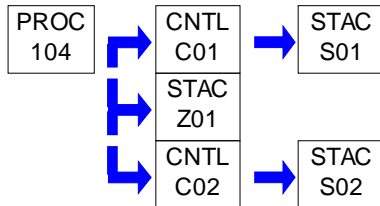
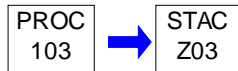
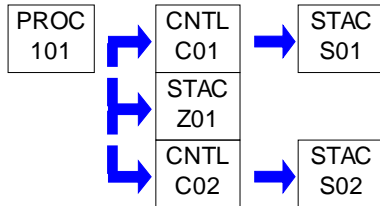
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	LANDFILL, OLD CELL	N/A	SOLID WASTE
103	ROADS, UNPAVED AND PAVED		
104	LANDFILL, NEW CELLS	131.667 Cu Yd/HR	SOLID WASTE
105	LEACHATE STORAGE SYSTEM		
110	COLD CLEANER		
C01	FLARE: NO 1 FLARE		
C02	FLARE: NO 2 FLARE		
S01	STACK: NO 1 FLARE		
S02	STACK: NO. 2 FLARE		
Z01	FUGITIVE: LANDFILL		
Z02	FUGITIVE: LEACHATE		
Z03	FUGITIVE: ROAD DUST		
Z10	FUGITIVE: COLD CLEANER		

## PERMIT MAPS



## SECTION B. General Title V Requirements

### #001 [25 Pa. Code § 121.1]

#### Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

### #002 [25 Pa. Code § 121.7]

#### Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the act.

### #003 [25 Pa. Code § 127.512(c)(4)]

#### Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

### #004 [25 Pa. Code § 127.446(a) and (c)]

#### Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

### #005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

#### Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

### #006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

#### Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

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(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

### #007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

#### Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

### #008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

#### Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

### #009 [25 Pa. Code § 127.512(c)(2)]

#### Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### #010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

#### Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

## SECTION B. General Title V Requirements

to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

### #011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

#### Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

### #012 [25 Pa. Code § 127.543]

#### Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

### #013 [25 Pa. Code § 127.522(a)]

#### Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

### #014 [25 Pa. Code § 127.541]

#### Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

## SECTION B. General Title V Requirements

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

### #015 [25 Pa. Code §§ 121.1 & 127.462]

#### Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

### #016 [25 Pa. Code § 127.450]

#### Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

### #017 [25 Pa. Code § 127.512(b)]

#### Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

### #018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

#### Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

### #019 [25 Pa. Code §§ 127.14(b) & 127.449]

#### Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

## SECTION B. General Title V Requirements

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

### #020 [25 Pa. Code §§ 127.11a & 127.215]

#### Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

### #021 [25 Pa. Code §§ 121.9 & 127.216]

#### Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department,

**SECTION B. General Title V Requirements**

the device or technique may be used for control of malodors.

**#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]****Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given on the permit transmittal letter,  
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)  
United States Environmental Protection Agency  
Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]****Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

**#024 [25 Pa. Code §§ 127.511 & Chapter 135]****Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

## SECTION B. General Title V Requirements

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

### #025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

#### Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

### #026 [25 Pa. Code § 127.513]

#### Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

### #027 [25 Pa. Code § 127.3]

#### Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)

## SECTION B. General Title V Requirements

- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

### #028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

#### Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

## SECTION B. General Title V Requirements

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

### #029 [25 Pa. Code § 127.512(e)]

#### Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

### #030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

#### Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

## SECTION C. Site Level Requirements

### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §123.1]

##### **Prohibition of certain fugitive emissions**

No person shall permit the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than the following:

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- d. Clearing of land.
- e. Stockpiling of materials.
- f. Open burning operations.
- g. Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  1. The emissions are of minor significance with respect to causing air pollution;
  2. The emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

##### # 002 [25 Pa. Code §123.2]

##### **Fugitive particulate matter**

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition # 001, if the emissions are visible at the point the emissions pass outside the person's property.

##### # 003 [25 Pa. Code §123.31]

##### **Limitations**

No person shall permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

##### # 004 [25 Pa. Code §123.41]

##### **Limitations**

No person shall permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- a. Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- b. Equal to or greater than 60% at any time.

##### # 005 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1 and Plan Approval 06-05078F]

The permittee shall limit the emissions from the facility to less than the following limits during any consecutive 12-month period:

- a. Volatile Organic Compounds (VOC) - less than 50 tons
- b. Carbon Monoxide (CO) - 45 tons
- c. Nitrogen Oxides (NOx) - 58 tons

**SECTION C. Site Level Requirements**

- d. Sulfur Oxides (SOx) as Sulfur Dioxide (SO<sub>2</sub>) - 55 tons
- e. PM-10 - 69 tons
- f. Hazardous Air Pollutant (HAP) (single) - less than 10 tons
- g. Hazardous Air Pollutants (HAP) (total) - less than 25 tons

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Unless otherwise approved in writing by the Department, at least six (6) months, and not more than 18 months, before the expiration date of this permit, a performance test as per 40 CFR 60.754, 25 Pa Code Chapter 139 and the Department's "Landfill Permitting Criteria" policy dated May 4, 1990, shall be conducted on each of the permanent flares. The tests shall be for the destruction efficiency of total non-methane organic compounds and the emissions of sulfur oxides as sulfur dioxide and volatile organic compounds.

For any testing, the permittee shall do the following:

- a. Pursuant to 25 Pa. Code Section 139.3 at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- b. Pursuant to 25 Pa. Code Section 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- c. Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.
- d. Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report and two copies shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test
- e. Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
  - 1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  - 2. Permit number(s) and condition(s) which are the basis for the evaluation.
  - 3. Summary of results with respect to each applicable permit condition.
  - 4. Statement of compliance or non-compliance with each applicable permit condition.
- f. Pursuant to 25 Pa. Code Section 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- g. All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

## SECTION C. Site Level Requirements

h. Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS\*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, a copy of the submittal shall be sent to the South Central Regional Office and District Office.

i. The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between the state and the federal requirements, the most stringent provision, term, condition, method or rule shall be used by default.

### # 007 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

The Department reserves the right to require exhaust stack testing of the source(s) as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

## III. MONITORING REQUIREMENTS.

### # 008 [25 Pa. Code §123.43]

#### Measuring techniques

Visible air contaminants may be measured using either of the following:

- A device approved by the Department and maintained to provide accurate opacity measurements.
- Observers, trained and certified, to measure plume opacity with the naked eye, as per EPA Method 9, or with the aid of any devices approved by the Department.

### # 009 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The permittee shall conduct a daily inspection around the landfill periphery during daylight hours when the landfill is operating to detect visible emissions, fugitive emissions and malodorous emissions as follows:

- Visible emissions in excess of the limits stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #008, or alternatively, facility personnel who observe visible emissions may report the incidence of visible emissions to the Department within two hours of each incident and make arrangements for a certified observer to verify the visible emissions.
- The presence of fugitive particulate matter emissions beyond the landfill boundaries as stated in Section C, Condition #002.
- The presence of malodorous emissions beyond the landfill boundaries as stated in Section C, Condition #003.

## IV. RECORDKEEPING REQUIREMENTS.

### # 010 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

For the purposes of Prevention of Significant Deterioration (PSD), New Source Review (NSR), Maximum Available Control Technology (MACT) and any other federal programs, the permittee in conjunction with the Green Gas landfill gas engine facility shall maintain monthly and 12-month rolling totals of the following emissions from the landfill and a combined total of the landfill and the engines:

- Particulate (PM-10)
- Nitrogen Oxides (NO<sub>x</sub>)
- Sulfur Oxides (SO<sub>x</sub>)
- Carbon Monoxide (CO)
- Volatile Organic Compounds (VOC)

## SECTION C. Site Level Requirements

### f. Hazardous Air Pollutants (HAP)

The permittee shall calculate the emissions using the results of any source testing and Department approved emission factors.

#### # 011 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

Unless otherwise noted, all records required by this and subsequent operating permits shall be maintained for the most recent five-year period and shall be readily available to the Department upon request. The most recent two years of records must be retained at the facility. The remaining three years of records may be retained off site. The records may be retained on paper, microfilm, microfiche or computer disks. If the records are retained on computer disks, the records must be in commonly available software. Commonly available software is usually compatible with a Microsoft application such as Word or Excel. For records kept off site, readily available is defined as available within one business day.

#### # 012 [25 Pa. Code §127.511]

##### **Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain record of each inspection around the plant periphery. The record shall include, at minimum, the following information:

- 1.) The name of the company representative doing the observation.
- 2.) The date and time of the monitoring.
- 3.) The wind direction.
- 4.) A description of any emissions and/or malodors observed and actions taken to mitigate them. If none, record "NONE."

These records shall be maintained for the most recent five (5) year period and be made available to the Department upon request.

## V. REPORTING REQUIREMENTS.

#### # 013 [25 Pa. Code §127.512]

##### **Operating permit terms and conditions.**

The permittee shall report malfunctions which occur at the landfill to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

a. Malfunctions which occur at the landfill and which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after the incident. The permittee shall submit a written report of instances of such malfunctions to the Department, in writing, within three (3) days of discovery of the malfunction.

b. Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of Condition a., shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

Telephone reports of malfunctions can be made to the Air Quality Program at 610-916-0100 during normal business hours or to the Department's Emergency Hotline 866-825-0208 at any time.

## VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

## VII. ADDITIONAL REQUIREMENTS.

#### # 014 [25 Pa. Code §123.42]

##### **Exceptions**

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do not apply to a visible emission in any of the

## SECTION C. Site Level Requirements

following instances:

- a. When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- b. When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- c. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

### # 015 [25 Pa. Code §129.14]

#### Open burning operations

- a. No person shall conduct open burning of materials in such a manner that:
  1. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
  2. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
  3. The emissions interfere with the reasonable enjoyment of life and property.
  4. The emissions cause damage to vegetation or property.
  5. The emissions are or may be deleterious to human or animal health.
- b. Exceptions. The above requirements do not apply where the open burning operations result from:
  1. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
  2. Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
  3. A fire set for the prevention and control of disease or pests, when approved by the Department.
  4. A fire set solely for recreational or ceremonial purposes.
  5. A fire set solely for cooking food.
- c. This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

### # 016 [25 Pa. Code §135.21]

#### Emission statements

Per Site Level Category VIII COMPLIANCE CERTIFICATION below, forward EPA the annual compliance certification report electronically, in lieu of a hard copy version, to the email address: 'R3 APD Permits @epa.gov'.

## VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2018 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #26 of section B of this permit, and annually thereafter.

## IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

\*\*\* Permit Shield In Effect \*\*\*

## SECTION D. Source Level Requirements

Source ID: 101

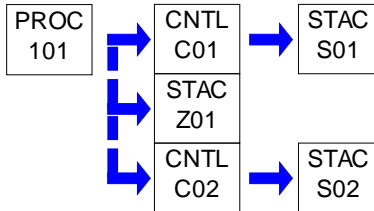
Source Name: LANDFILL, OLD CELL

Source Capacity/Throughput:

N/A

SOLID WASTE

Conditions for this source occur in the following groups: SG01  
SG02  
SG03  
SG04



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

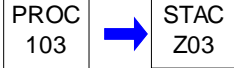
\*\*\* Permit Shield in Effect. \*\*\*

## SECTION D. Source Level Requirements

Source ID: 103

Source Name: ROADS, UNPAVED AND PAVED

Source Capacity/Throughput:



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

\*\*\* Permit Shield in Effect. \*\*\*

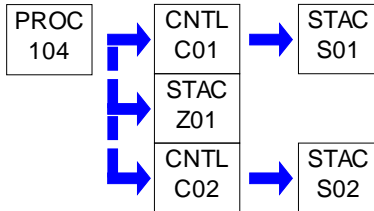
## SECTION D. Source Level Requirements

Source ID: 104

Source Name: LANDFILL, NEW CELLS

Source Capacity/Throughput: 131.667 Cu Yd/HR SOLID WASTE

Conditions for this source occur in the following groups: SG01  
SG02  
SG03  
SG04



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

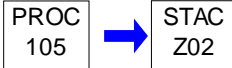
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: LEACHATE STORAGE SYSTEM

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall limit the emissions of VOCs from the leachate storage tanks to less than 2.5 tons during any consecutive 12-month period.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**III. MONITORING REQUIREMENTS.****# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monthly calculate the VOC emissions from the leachate storage tanks using a method approved by the Department.

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a 12-month rolling total of the VOC emissions from the source.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

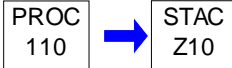
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: COLD CLEANER

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall not use in a cold cleaning machine any solvent, with greater than 5% VOC by weight in the amount of 2 gallons or more, that has a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater measured at 20°C (68°F).

The above requirement does not apply:

- To cold cleaning machines used in extreme cleaning service.
- If the permittee demonstrates, and the Department approves in writing, that compliance with these conditions will result in unsafe operating conditions.
- To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

**Control Device Efficiency Restriction(s).****# 002 [25 Pa. Code §129.63]****Degreasing operations**

Any immersion cold cleaning machine shall have a freeboard ratio of 0.50 or greater.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §129.63]****Degreasing operations**

a. The permittee shall maintain an inventory of the cold cleaning machines used at the facility. The inventory shall be updated each January. The inventory shall include the following information:

1. Type of unit
2. Size of the unit in gallons of solvent
3. Solvent used
4. Freeboard ratio
5. Location of the unit at the facility

b. The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following information:

1. The name and address of the solvent supplier.

**SECTION D. Source Level Requirements**

2. Type of solvent including the product or vendor identification number.
3. The vapor pressure of the solvent measured in millimeters of mercury (mmHg) at 20°C (68°F).

c. An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.63]****Degreasing operations**

The immersion cold cleaning machine shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover.

**# 005 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall for immersion cold cleaning machines and remote reservoir cold cleaning machines:

a. Have a permanent, conspicuous label summarizing the operating requirements below:

1. Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
2. Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
3. Sponge, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cleaning machine.
4. Air agitated solvent baths may not be used.
5. Spills during solvent transfer and use of cold cleaning machines shall be cleaned-up immediately.

b. In addition, the label shall include the following discretionary good practices:

1. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that the solvent drains directly back to the cold cleaning machine.
2. When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
3. Work area fans should be located and positioned so that they do not blow across the opening of the cold cleaning machine.

**VII. ADDITIONAL REQUIREMENTS.****# 006 [25 Pa. Code §129.63]****Degreasing operations**

The permittee that operates a parts washer or cold cleaning machine that uses two gallons or more of solvent containing

**SECTION D. Source Level Requirements**

greater than 5% VOC by weight for the cleaning of metal parts shall comply with the requirements in this section.

**\*\*\* Permit Shield in Effect. \*\*\***

## SECTION E. Source Group Restrictions.

Group Name: SG01

Group Description: Landfill

Sources included in this group

ID	Name
101	LANDFILL, OLD CELL
104	LANDFILL, NEW CELLS

### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code 127.1]

The permittee shall limit the emissions from the permanent flare No. 2 to the following:

- a. VOC - 1.0 pounds per hour
- b. NOx - 7.0 pounds per hour
- c. CO - 5.0 pounds per hour

##### # 002 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The emissions from the permanent flare No. 1 shall not exceed the following limits:

- a. CO - 10.0 pounds per hour
- b. NOx - 13.0 pounds per hour
- c. VOC - 1.0 pounds per hour

##### # 003 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall operate the flares (temporary and permanent) in a manner that will not result in visible emissions.

##### # 004 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

The permittee shall limit the combined emissions of sulfur dioxide (SO<sub>2</sub>) from the two permanent flares to 12.5 pounds per hour (one hour average).

#### Operation Hours Restriction(s).

##### # 005 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The permittee shall limit the operation of the landfill to the hours set by the Department's current Waste Management Permit.

## SECTION E. Source Group Restrictions.

### Throughput Restriction(s).

#### # 006 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The permittee shall limit the amount of waste disposed in the landfill to that set by the Department's current Waste Management Permit.

#### # 007 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The landfill has the following maximum design capacities:

- a. Old Cell - 2.3 million cubic yards or 1.93 million tons (1.75 million megagrams),
- b. Cell One - 395,000 cubic yards or 266,600 tons,
- c. Cell Two - 823,900 cubic yards or 556,100 tons,
- d. Cell 3 and 4 - 1.63 million cubic yards or 1.1 million tons, and
- e. Cell 5 and 7 - 9.8 million cubic yards or 6.67 million tons (6.06 million megagrams).

### II. TESTING REQUIREMENTS.

#### # 008 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

In lieu of conducting a source test for sulfur oxides from the flares, the permittee may sample the landfill gas entering the flares for total sulfur. If the permittee takes this option, the Department shall be notified within ninety (90) days of the issuance of this permit. The sampling program shall include two sampling periods. One sample shall be taken during the first year of the permit, while the second shall be in the last year.

### III. MONITORING REQUIREMENTS.

#### # 009 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall, at a minimum, monitor the leachate collection risers monthly for temperature and either nitrogen or oxygen content.

#### # 010 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

Unless otherwise approved in writing by the Department, the permittee shall sample the landfill gas at each flare once every calendar year in July, and shall analyze the sample for total sulfur content. Should any sampling show an increase in the total sulfur content by more than 10 percent from the previous sample, the permittee shall submit to the Department a plan explaining or addressing the increase, and proposing corrective actions, if necessary, to correct or prevent violations of any sulfur-related emissions standards in this permit.

#### # 011 [25 Pa. Code §127.511]

##### Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit is derived from 25 Pa Code Section 127.1]

At a minimum, the permittee shall conduct leak checks on each gas vent, horizontal trench and leachate collection system connection to the active collection system once per month. The gas pumps, permanent flares, treatment system and associated equipment shall be leak checked daily or equivalent as approved by the Department. No leaks shall exceed 500 ppmv as propane or 1365 ppmv as methane at a distance of 0.5 inches.

#### # 012 [25 Pa. Code §127.511]

##### Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1, BAT]

## SECTION E. Source Group Restrictions.

The permittee shall check each flare for visible emissions daily.

### IV. RECORDKEEPING REQUIREMENTS.

#### # 013 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from 40 CFR 60 Subpart WWW, 40 CFR 61 Subpart M and 40 CFR 63 Subpart AAAA]

The permittee shall maintain the following records:

- a. The monthly volume of gas entering each flare,
- b. The monthly volume of gas transferred to a third party,
- c. The monthly emissions of PM-10, NO<sub>x</sub>, SO<sub>x</sub>, CO, VOC, NMOC and HAPs,
- d. A 12-month rolling total of gas entering each flare,
- e. A 12-month rolling total of gas transfer a third party,
- f. A 12-month rolling total emissions of PM-10, NO<sub>x</sub>, SO<sub>x</sub>, CO, VOC, NMOC and HAPs,
- g. Total amount of landfill area capped at the end of each month,
- h. Total amount of landfill area at final grade, but uncapped at the end of each month, and
- i. Total amount of landfill area in active disposal at the end of each month.

#### # 014 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

The permittee shall maintain records of each landfill gas sample taken for total sulfur.

#### # 015 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

The permittee shall maintain records of all waste outside of the typical municipal solid waste received by the landfill. The records shall include the following:

- a. Amount of waste received
- b. Total sulfur concentration
- c. Dates the waste was received

The permittee shall also maintain records of the wastes rejected for high sulfur content.

#### # 016 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

All landfill gas sample results shall be submitted with the annual emission report, or upon request by the Department.

#### # 017 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this condition is derived from Plan Approval 06-05078F]

The permittee shall implement a screening program to prevent the disposal of non-typical municipal solid waste that contains sulfur compounds that have the potential to result in higher sulfur dioxide (SO<sub>2</sub>) emissions than permitted. Any changes to this program shall be submitted to the Department for review 30 days prior to implementation.

### V. REPORTING REQUIREMENTS.

#### # 018 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

## SECTION E. Source Group Restrictions.

The permittee shall notify the Department in writing of the following within five working days:

- a. Start of placing waste in each new cell.
- b. Date each cell reaches final grade.
- c. Start of installation of additional collection system.
- d. Date collection system is complete.
- e. Start of venting to temporary flare.
- f. Start of venting to permanent flare.
- g. Date of the installation and operation of each slip form gas well.

### # 019 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall notify the Department within five (5) working days of the start of installation of each new cap section.

### # 020 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

The permittee, within 10 days of a detected unanticipated positive pressure in the parts of the collection system required to be under negative pressure, shall submit to the Department a brief written notice describing the cause of the unanticipated positive pressure event and the steps taken and/or planned to be taken to remedy the occurrence and prevent the event from occurring in the future. The notice shall transmit monitoring data indicating that the unanticipated positive pressure event has been abated or, if abatement has to be achieved, a supplemental notice and such data shall be forwarded to the Department when abatement is achieved.

This does not include positive pressure resulting from routine maintenance to the system.

## VI. WORK PRACTICE REQUIREMENTS.

### # 021 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1 and 40 CFR 60.752, 60.753 and 63.1955]

A permanent gas collection system shall be installed for each cell (Cells 5 through 7) within one year after that cell has achieved final grade. As part of the system, the permittee shall install and maintain a final cover on the completed cells including a geomembrane cap as approved by the Department's Waste Management Program.

### # 022 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall install and maintain a total geomembrane cap system on the completed sections of the landfill in accordance with the permittee's proposal and approval of the Department's Waste Management Program.

### # 023 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall permanently connect to the gas collection system, for the purpose of controlling gas emissions:

- a. The leachate collection system,
- b. The off-site gas migration collection trenches.

### # 024 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

All temporary flares shall be equipped with an automatic ignition source as approved by the Department. The permittee

## SECTION E. Source Group Restrictions.

shall conduct at a minimum, weekly inspections of the flares to verify proper operation.

### # 025 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall install and operate slip form gas wells in each of the active fill cells. The wells shall be installed and operated as per the permittee's letter of May 22, 2002. The slip form gas well shall be connected to the gas collection system when located in an areas of no activity. Wells located in active areas shall be vented to temporary flares. Whenever possible, the slip form gas wells shall be maintained until permanent vertical wells are installed and operating. The slip form wells can be used as permanent wells.

### # 026 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

The permittee shall maintain a bottom liner over the portion of the landfill identified as Cell 3b. This liner shall be approved by the Department's Waste Management Program.

### # 027 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

Each permanent flare shall be equipped with the following:

- An automatic pilot ignition source using an auxiliary fuel source,
- A flame-out detection device,
- An automatic shut-off mechanism designed to immediately stop the flow of gas when a flame-out occurs,
- An automatic notification system to inform the permittee of the flares failure to restart within a limited time.

### # 028 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this condition is derived from 25 Pa Code Section 127.1]

All monitoring and measuring devices shall be calibrated, maintained and operated according to the manufacturer's specifications or standards set by this permit, the Department Guidelines or 40 CFR Part 60, Subpart WWW.

## VII. ADDITIONAL REQUIREMENTS.

### # 029 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The design inlet capacity of the permanent flares is as follows:

- Flare #1 - 4200 scfm
- Flare #2 - 1800 scfm

\*\*\* Permit Shield in Effect. \*\*\*

## SECTION E. Source Group Restrictions.

Group Name: SG02

Group Description: 40 CFR 60 Subpart WWW

Sources included in this group

ID	Name
101	LANDFILL, OLD CELL
104	LANDFILL, NEW CELLS

### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.752]

##### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Standards for air emissions from municipal solid waste landfills.

(a) NOT APPLICABLE - greater than 2.5 million cubic meters

(b) The permittee of an MSW landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with paragraph (b)(2) of this section or calculate an NMOC emission rate for the landfill using the procedures specified in 40 CFR 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR 60.757(b)(1)(ii) of this subpart. The permittee of an MSW landfill subject to this subpart with a design capacity greater than or equal to 2.5 million megagrams and 2.5 million cubic meters is subject to part 70 or 71 permitting requirements.

(b)(1) NOT APPLICABLE - greater than 50 megagrams

(b)(2) If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the permittee shall:

(b)(2)(i) NOT APPLICABLE - collection and control system plan already approved

(b)(2)(ii) Install a collection and control system that captures the gas generated within the landfill as required by paragraphs (b)(2)(ii)(A) or (B) and (b)(2)(iii) of this section within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR 60.757(c)(1) or (2). COLLECTION AND CONTROL SYSTEM INSTALLED

THE FOLLOWING FACILITY-SPECIFIC SUB CONDITION CLARIFIES (b)(2)(ii):

SUB CONDITION (b)(2)(ii) - 001:

The permittee shall operate and maintain a gas collection system and permanent enclosed flares to control landfill gas. This permit allows the permittee to install additional sections of the collection system as the landfill expands to the design capacity and as approved by the Department. The permittee may add additional wells and/or piping to meet the requirements of this permit. These changes shall be submitted to the Waste Management and Air Quality Programs by letter at least fifteen (15) days prior to construction.

(b)(2)(ii)(A) An active collection system shall:

(b)(2)(ii)(A)(1) Be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

(b)(2)(ii)(A)(2) Collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of:

(b)(2)(ii)(A)(2)(i) 5 years or more if active; or

(b)(2)(ii)(A)(2)(ii) 2 years or more if closed or at final grade.

(b)(2)(ii)(A)(3) Collect gas at a sufficient extraction rate;

## SECTION E. Source Group Restrictions.

(b)(2)(ii)(A)(4) Be designed to minimize off-site migration of subsurface gas.

(b)(2)(ii)(B) NOT APPLICABLE - not a passive collection system

(b)(2)(iii) Route all the collected gas to a control system that complies with the requirements in either paragraph (b)(2)(iii) (A), (B) or (C) of this section.

(b)(2)(iii)(A) NOT APPLICABLE - open flares not used for compliance

(b)(2)(iii)(B) A control system designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using the test methods specified in 40 CFR 60.754(d).

THE REQUIREMENT OF (b)(2)(iii)(B) IS CLARIFIED BY THE FOLLOWING SITE-SPECIFIC SUB-CONDITION:

SUB CONDITION 001: The permittee shall direct all untreated gas to the two permanent flares. The permanent flares shall be maintained so that they are able to process landfill gas at any time, except during maintenance periods. Should a third party stop accepting treated gas, the permittee is required to direct the extra gas to the permanent flares. The permittee shall maintain permanent flare capacity for all of the landfill gas generated by the landfill.

(b)(2)(iii)(B)(1) NOT APPLICABLE - no boiler or process heater

(b)(2)(iii)(B)(2) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR 60.756;

THESE OPERATING PARAMETERS AND RANGES ARE ESTABLISHED IN THE FOLLOWING SITE-SPECIFIC SUB-CONDITIONS:

SUB CONDITION 002: The permittee shall maintain a three hour average temperature in the combustion zone of Flare No. 1 of 1450°F or greater as shown by the thermocouple located within the combustion zone. This average temperature shall not fall to less than 50°F below the minimum temperature during the operation of the flare. The flare shall be maintained in accordance with 40 CFR Part 60, Subpart WWW. This temperature is subject to changes resulting from future testing. Should future testing show that a higher temperature is needed to meet the required emission limits, the above temperature limit shall be changed to this new limit.

SUB CONDITION 003: The permittee shall maintain a three hour average temperature in the combustion zone of Flare No. 2 of 1400°F or greater as shown by the thermocouple located within the combustion zone. This average temperature shall not fall to less than 50°F below the minimum temperature during the operation of the flare. The flare shall be maintained in accordance with 40 CFR Part 60, Subpart WWW. This temperature is subject to changes resulting from future testing. Should future testing show that a higher temperature is needed to meet the required emission limits, the above temperature limit shall be changed to this new limit.

SUB CONDITION 004: The permittee shall determine the average temperature in the combustion zone of each permanent flare during each NMOC source testing period. This temperature shall be maintained during the operation of the permanent flare in accordance with this permit and 40 CFR Part 60, Subpart WWW.

(b)(2)(iii)(C) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of paragraph (b)(2)(iii) (A) or (B) of this section.

THE REQUIREMENT OF (b)(2)(iii)(C) IS CLARIFIED BY THE FOLLOWING SITE-SPECIFIC SUB-CONDITION:

SUB CONDITION 005

a. The permittee may not transfer landfill gas to a third party unless the gas has been treated as per 40 CFR 60.752

## SECTION E. Source Group Restrictions.

(b)(2)(iii)(C). The permittee shall notify the Department and EPA of the intent to treat and sell landfill gas to a third party.

The notice shall include the following:

1. Name and address of the third party,
2. Location of the source that will use the gas,
3. Type of source and method of use of the gas,
4. Maximum amount of gas to be used by the source, and
5. Type and method of treatment of the gas prior to sale.

b. The permittee shall receive approval for the Department before the installation of the treatment system, the treatment of the gas and the sale of the gas.

c. Treatment is defined by EPA and the Department as compression, de-watering and filtering of particulate. The following meets this definition at this time.

1. Compression - The gas shall be compressed using gas blowers or similar devices (approved by the Department) to a level required by the source using the gas.

2. De-watering - The system must de-water the gas using chillers or other dehydration equipment as approved by the Department.

(b)(2)(iv) Operate the collection and control devices installed to comply with this subpart in accordance with the provisions of 40 CFR 60.753, 60.755 and 60.756.

(b)(2)(v) The collection and control system may be capped or removed provided that all the conditions of paragraphs (b)(2)(v) (A), (B), and (C) of this section are met:

(b)(2)(v)(A) The landfill shall be a closed landfill as defined in 40 CFR 60.751 of this subpart. A closure report shall be submitted to the Administrator as provided in 40 CFR 60.757(d);

(b)(2)(v)(B) The collection and control system shall have been in operation a minimum of 15 years; and

(b)(2)(v)(C) Following the procedures specified in 40 CFR 60.754(b) of this subpart, the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

(c) NOT APPLICABLE - Title V permit already obtained

(d) NOT APPLICABLE - landfill is not closed

### Control Device Efficiency Restriction(s).

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.753]**

**Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills**

**Operational standards for collection and control systems.**

The permittee of an MSW landfill with a gas collection and control system used to comply with the provisions of 40 CFR 60.752(b)(2)(ii) of this subpart shall:

(a) Operate the collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for:

(a)(1) 5 years or more if active; or

(a)(2) 2 years or more if closed or at final grade;

(b) Operate the collection system with negative pressure at each wellhead except under the following conditions:

## SECTION E. Source Group Restrictions.

(b)(1) A fire or increased well temperature. The permittee shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 40 CFR 60.757(f)(1);

(b)(2) Use of a geomembrane or synthetic cover. The permittee shall develop acceptable pressure limits in the design plan;

(b)(3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Administrator;

THE FOLLOWING FACILITY-SPECIFIC SUBCONDITIONS FURTHER CLARIFY (b):

SUB CONDITION (b)- 001: All wellheads, horizontal trench headers and vented manholes shall be airtight and be equipped so that at the request of the Department the pressure differential between the vent and the atmosphere can be measured. The wellheads, horizontal trench headers and connections to the leachate collection system shall all be equipped with a sampling port and thermometer.

SUB CONDITION (b)- 002: The permittee is permitted to install and relocate temporary flares of an approved design as the needs arise. In addition, temporary flares shall be installed and operated on each vertical well and/or horizontal trench until they can be connected to the collection system. The flares shall be operated in a passive manner only, and shall be replaced with a permanent connection to the gas collection system as soon as feasible. The flares at a minimum shall be checked weekly for proper operation.

SUB CONDITION (b)-003:

The collection system shall be operated with a negative pressure in each component not designed to operate under positive pressure (mechanical blowers, the flare and all piping connecting those components) except under the following conditions in accordance with 40 CFR 60.753(b):

a. When a flare or increased well temperature is detected. The permittee shall record all instances when positive pressure occurs in efforts to avoid fire,

b. When the collection or control systems are experiencing down times due to routine maintenance. Routine equipment maintenance includes the following, but is not limited to:

1. Gas collection header repairs,
2. Wellhead and valve repairs, replacements or modifications,
3. Temporary well shutdowns or vacuum reductions to minimize or prevent the introduction of excess air into the landfill,
4. Flare station blower repairs, replacement or modifications,
5. Flare relight system testing, repair, replacement or modification,
6. Flare thermocouple or temperature switch repair, replacement or modification,
7. Flare liner inspection, repair, replacement or modification,
8. Flare actuator valve repair, replacement or modification,
9. Flare flame arrestor basket cleaning,
10. Flare control panel timer adjustment or replacement,
11. Condensate trap pump repair, replacement or modification,
12. Condensate pump pump-outs,
13. Electrical service repairs.

c. When the positive pressure is due to a decommissioned well. A well may experience a static positive pressure after shutdown to accommodate for declining flows. All design changes shall be approved by the Department.

(c) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 °C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

PURSUANT TO (c), THE FOLLOWING SUB CONDITION PROVIDES FOR ALTERNATE WELL PARAMETER LIMITS:

## SECTION E. Source Group Restrictions.

SUB CONDITION (c) - 001: The gas temperature in the interior wellheads, horizontal trenches and shallow trenches shall be less than 55°C (131°F). The gas quality in the interior wellheads and horizontal trenches shall have either a nitrogen (N<sub>2</sub>) level less than 20% or an oxygen (O<sub>2</sub>) level less than 5%. The gas quality in the shallow horizontals (capture facilities 5 - 10 feet of the surface) shall have either a nitrogen (N<sub>2</sub>) level less than 40% or an oxygen (O<sub>2</sub>) level less than 10%. When approved by the Department, the permittee may establish a higher operating temperature, nitrogen and oxygen values at a particular well, after demonstrating that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

(c)(1) The nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i) of this subpart.

(c)(2) Unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i) of this subpart, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that:

(c)(2)(i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span;

(c)(2)(ii) A data recorder is not required;

(c)(2)(iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span;

(c)(2)(iv) A calibration error check is not required;

(c)(2)(v) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent.

(d) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the permittee shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The permittee may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

(e) Operate the system such that all collected gases are vented to a control system designed and operated in compliance with 40 CFR 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour; and

(f) Operate the control or treatment system at all times when the collected gas is routed to the system.

(g) If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of this section are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3) through (5) or 40 CFR 60.755(c) of this subpart. If corrective actions are taken as specified in 40 CFR 60.755, the monitored exceedance is not a violation of the operational requirements in this section.

## II. TESTING REQUIREMENTS.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.754]**

**Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills**

**Test methods and procedures.**

The permittee shall calculate emissions and follow test procedures in accordance with 40 CFR 60.754.

## III. MONITORING REQUIREMENTS.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.756]**

**Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills**

**Monitoring of operations.**

Except as provided in 40 CFR 60.752(b)(2)(i)(B),

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(a) Each permittee seeking to comply with 40 CFR 60.752(b)(2)(ii)(A) for an active gas collection system shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead and:

(a)(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3); and

(a)(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and

(a)(3) Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5).

(b) Each permittee seeking to comply with 40 CFR 60.752(b)(2)(iii) using an enclosed combustor shall calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment.

(b)(1) A temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5$  degrees Celsius, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity equal to or greater than 44 megawatts.

(b)(2) A device that records flow to or bypass of each control device (flare). The permittee shall either:

(b)(2)(i) NOT APPLICABLE -(b)(2)(ii) option chosen

(b)(2)(ii) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

(c) NOT APPLICABLE - open flares are not used for compliance

(d) NOT APPLICABLE - enclosed flare used

(e) Each permittee seeking to install a collection system that does not meet the specifications in 40 CFR 60.759 or seeking to monitor alternative parameters to those required by 40 CFR 60.753 through 40 CFR 60.756 shall provide information satisfactory to the Administrator as provided in 40 CFR 60.752(b)(2)(i) (B) and (C) describing the design and operation of the collection system, the operating parameters that would indicate proper performance, and appropriate monitoring procedures. The Administrator may specify additional appropriate monitoring procedures.

(f) Each permittee seeking to demonstrate compliance with 40 CFR 60.755(c), shall monitor surface concentrations of methane according to the instrument specifications and procedures provided in 40 CFR 60.755(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

### # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.756]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Monitoring of operations.

[Additional authority for this condition is derived from 25 Pa Code 127.1 and 40 CFR 63.1955 and 63.1960]

Each permanent flare shall also be equipped with a flame detection device.

### # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.756]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Monitoring of operations.

[Additional authority for this condition is derived from 25 Pa Code 127.1 and 40 CFR 63.1955 and 63.1960]

At a minimum, the permittee shall monitor the surface concentrations of methane once per quarter in areas of the landfill equipped with a landfill gas collection system. The monitoring shall be conducted in accordance with the surface

## SECTION E. Source Group Restrictions.

monitoring plan submitted to and approved by the Department. This monitoring shall be along the perimeter of the landfill gas collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing). After four consecutive monitoring events which show no exceedances in newly capped areas (areas that are permanently capped with a 60 mil HDPE and covered), the monitoring shall be conducted at each point where a pipe or other object penetrates the landfill HDPE cap. The permittee shall use an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d).

- a. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells,
- b. The surface emission monitoring shall be in accordance with Method 21,
- c. The probe shall be placed within 5 to 10 centimeters of the surface,
- d. The monitoring shall be performed during typical meteorological conditions.

### IV. RECORDKEEPING REQUIREMENTS.

#### # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.758]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

#### Recordkeeping requirements.

(a) Except as provided in 40 CFR 60.752(b)(2)(i)(B), each permittee of an MSW landfill subject to the provisions of 40 CFR 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered 40 CFR 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

(b) Except as provided in 40 CFR 60.752(b)(2)(i)(B), each permittee of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs (b)(1) through (b)(4) of this section as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal.

(b)(1) Where a permittee subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 60.752(b)(2)(ii):

(b)(1)(i) The maximum expected gas generation flow rate as calculated in 40 CFR 60.755(a)(1). The permittee may use another method to determine the maximum gas generation flow rate, if the method has been approved by the Administrator.

(b)(1)(ii) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR 60.759(a)(1).

(b)(2) Where a permittee subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 60.752(b)(2)(iii) through use of an enclosed combustion device other than a boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts:

(b)(2)(i) The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test.

(b)(2)(ii) The percent reduction of NMOC determined as specified in 40 CFR 60.752(b)(2)(iii)(B) achieved by the control device.

(b)(3) NOT APPLICABLE - no boiler or process heater

(b)(4) NOT APPLICABLE - open flares are not used for compliance

(c) Except as provided in 40 CFR 60.752(b)(2)(i)(B), each permittee of a controlled landfill subject to the provisions of this subpart shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR 60.756 as well as up-to-date, readily accessible records for periods of operation

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during which the parameter boundaries established during the most recent performance test are exceeded.

(c)(1) The following constitute exceedances that shall be recorded and reported under 40 CFR 60.757(f):

(c)(1)(i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average combustion temperature was more than 28 oC below the average combustion temperature during the most recent performance test at which compliance with 40 CFR 60.752(b)(2)(iii) was determined.

(c)(1)(ii) NOT APPLICABLE - no boiler or process heater

(c)(2) Each permittee subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR 60.756.

(c)(3) NOT APPLICABLE - no boiler or process heater

(c)(4) NOT APPLICABLE - open flares are not used for compliance

(d) Except as provided in 40 CFR 60.752(b)(2)(i)(B), each permittee subject to the provisions of this subpart shall keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector.

(d)(1) Each permittee subject to the provisions of this subpart shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR 60.755(b).

(d)(2) Each permittee subject to the provisions of this subpart shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in 40 CFR 60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 40 CFR 60.759(a)(3)(ii).

(e) Except as provided in 40 CFR 60.752(b)(2)(i)(B), each permittee subject to the provisions of this subpart shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

(f) NOT APPLICABLE - landfill capacity is greater than 2.5 megagrams

## V. REPORTING REQUIREMENTS.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.757]**

**Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills**

**Reporting requirements.**

Except as provided in 40 CFR 60.752(b)(2)(i)(B),

(a) Each permittee subject to the requirements of this subpart shall submit an initial design capacity report to the Administrator.

(a)(1) NOT APPLICABLE - initial design already submitted

(a)(2) NOT APPLICABLE - initial design already submitted

(a)(3) An amended design capacity report shall be submitted to the Administrator providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill to or above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in 40 CFR 60.758(f).

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(b) NOT APPLICABLE - exempt from report via 40 CFR 60.757(b)(3)

(c) NOT APPLICABLE - already exceeds 50 megagrams

(d) Each permittee of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR 60.7(a)(4).

(e) Each permittee of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment.

(e)(1) The equipment removal report shall contain all of the following items:

(e)(1)(i) A copy of the closure report submitted in accordance with paragraph (d) of this section;

(e)(1)(ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and

(e)(1)(iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

(e)(2) The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 60.752(b)(2)(v) have been met.

(f) Each permittee of a landfill seeking to comply with 40 CFR 60.752(b)(2) using an active collection system designed in accordance with 40 CFR 60.752(b)(2)(ii) shall submit to the Administrator annual reports of the recorded information in (f)(1) through (f)(6) of this paragraph. The initial annual report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.758(c).

(f)(1) Value and length of time for exceedance of applicable parameters monitored under § 60.756(a), (b), (c), and (d).

(f)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756.

(f)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.

(f)(4) All periods when the collection system was not operating in excess of 5 days.

(f)(5) The location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month.

(f)(6) The date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a)(3), (b), and (c)(4) of 40 CFR 60.755.

(g) NOT APPLICABLE - initial performance test report already submitted

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10]**

**Subpart A--General Provisions**

**Recordkeeping and reporting requirements.**

(d)(5)(i) If actions taken by the permittee during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan (see 40 CFR 63.6(e)(3)), the permittee shall state such information in a startup, shutdown,

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and malfunction report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in the relevant emission standards, or if a malfunction occurred during the reporting period. The startup, shutdown, and malfunction report shall consist of a letter, containing the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, that shall be submitted to the Administrator semiannually (or on a more frequent basis if specified otherwise in a relevant standard or as established otherwise by the permitting authority in the source's title V permit). The startup, shutdown, and malfunction report shall be delivered or postmarked by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate). If the owner or operator is required to submit excess emissions and continuous monitoring system performance (or other periodic) reports under this part, the startup, shutdown, and malfunction reports required under this paragraph may be submitted simultaneously with the excess emissions and continuous monitoring system performance (or other) reports. If startup, shutdown, and malfunction reports are submitted with excess emissions and continuous monitoring system performance (or other periodic) reports, and the owner or operator receives approval to reduce the frequency of reporting for the latter under paragraph (e) of this section, the frequency of reporting for the startup, shutdown, and malfunction reports also may be reduced if the Administrator does not object to the intended change. The procedures to implement the allowance in the preceding sentence shall be the same as the procedures specified in paragraph (e)(3) of this section.

(d)(5)(ii) Notwithstanding the allowance to reduce the frequency of reporting for periodic startup, shutdown, and malfunction reports under paragraph (d)(5)(i) of this section, any time an action taken by the permittee during a startup or shutdown that caused the source to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph (d)(5)(ii) shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions in conformance with 40 CFR 63.6(e)(1)(i). Notwithstanding the requirements of the previous sentence, after the effective date of an approved permit program in the State in which an affected source is located, the permittee may make alternative reporting arrangements, in advance, with the permitting authority in that State. Procedures governing the arrangement of alternative reporting requirements under this paragraph (d)(5)(ii) are specified in 40 CFR 63.9(i).

## VI. WORK PRACTICE REQUIREMENTS.

### # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.755]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

#### Compliance provisions.

(a) Except as provided in 40 CFR 60.752(b)(2)(i)(B), the specified methods in paragraphs (a)(1) through (a)(6) of this section shall be used to determine whether the gas collection system is in compliance with 40 CFR 60.752(b)(2)(ii).

(a)(1) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 40 CFR 60.752(b)(2)(ii)(A)(1), one of the following equations shall be used. The  $k$  and  $L_0$  kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP42) or other site specific values demonstrated to be appropriate and approved by the Administrator. If  $k$  has been determined as specified in 40 CFR 60.754(a)(4), the value of  $k$  determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.

(a)(1)(i) NOT APPLICABLE - acceptance rate known

(a)(1)(ii) For sites with known year-to-year solid waste acceptance rate:

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Refer to 40 CFR 60.755(a)(1)(ii) for Equation where,

QM=maximum expected gas generation flow rate, cubic meters per year  
k=methane generation rate constant, year<sup>-1</sup>  
Lo=methane generation potential, cubic meters per megagram solid waste  
Mi=mass of solid waste in the i<sup>th</sup> section, megagrams  
ti=age of the i<sup>th</sup> section, years

(a)(1)(iii) If a collection and control system has been installed, actual flow data may be used to project the maximum expected gas generation flow rate instead of, or in conjunction with, the equations in paragraphs (a)(1) (i) and (ii) of this section. If the landfill is still accepting waste, the actual measured flow data will not equal the maximum expected gas generation rate, so calculations using the equations in paragraphs (a)(1) (i) or (ii) or other methods shall be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment.

(a)(2) For the purposes of determining sufficient density of gas collectors for compliance with 40 CFR 60.752(b)(2)(ii)(A)(2), the permittee shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Administrator, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards.

(a)(3) For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 40 CFR 60.752(b)(2)(ii)(A)(3), the permittee shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 40 CFR 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

(a)(4) Permittees are not required to expand the system as required in paragraph (a)(3) of this section during the first 180 days after gas collection system startup.

(a)(5) For the purpose of identifying whether excess air infiltration into the landfill is occurring, the permittee shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 40 CFR 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

THE FOLLOWING SITE-SPECIFIC SUB CONDITION CLARIFIES THE REQUIREMENTS OF (a)(3) AND (a)(5):

SUB CONDITION (a)(3) AND (a)(5) - 001: At a minimum, the permittee shall conduct monitoring of the wellheads and horizontal trench headers, and shallow horizontals (low flow collection facilities installed 5 - 10 feet below the surface) monthly for temperature, either nitrogen or oxygen content and gauge pressure, in accordance with 40 CFR 60.756(a) using approved methods.

To comply with the above monitoring, the permittee shall install and maintain a sampling port and a thermometer or other temperature measuring device at each wellhead, horizontal trench header, or shallow horizontal.

(a)(6) A permittee seeking to demonstrate compliance with 40 CFR 60.752(b)(2)(ii)(A)(4) through the use of a collection system not conforming to the specifications provided in 40 CFR 60.759 shall provide information satisfactory to the Administrator as specified in 40 CFR 60.752(b)(2)(i)(C) demonstrating that off-site migration is being controlled.

(b) For purposes of compliance with 40 CFR 60.753(a), each permittee of a controlled landfill shall place each well or design component as specified in the approved design plan as provided in 40 CFR 60.752(b)(2)(i). Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:

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(b)(1) 5 years or more if active; or

(b)(2) 2 years or more if closed or at final grade.

(c) The following procedures shall be used for compliance with the surface methane operational standard as provided in 40 CFR 60.753(d).

(c)(1) After installation of the collection system, the permittee shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in paragraph (d) of this section.

(c)(2) The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.

(c)(3) Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A of this part, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

(c)(4) Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in paragraphs (c)(4) (i) through (v) of this section shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 40 CFR 60.753(d).

THE FOLLOWING SITE-SPECIFIC SUB CONDITION CLARIFIES THE REQUIREMENTS OF (c)(4):

SUB CONDITION (c)(4) - 001: The permittee shall record all surface monitoring readings which exceed 500 ppmv or more of methane above the background. All non-exceedances shall be recorded as NE (non-exceedance). All readings of 500 ppmv or more of methane above the background at any location, during the landfill surface monitoring, shall be recorded as exceedances and corrective actions taken. All corrective actions taken shall be recorded along with the remonitoring results. As long as the specified corrective actions are taken the exceedance is not a violation of the operating requirements.

(c)(4)(i) The location of each monitored exceedance shall be marked and the location recorded.

(c)(4)(ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.

(c)(4)(iii) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in paragraph (c)(4)(v) of this section shall be taken, and no further monitoring of that location is required until the action specified in paragraph (c)(4)(v) has been taken.

(c)(4)(iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring specified in paragraph (c)(4) (ii) or (iii) of this section shall be re-monitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 parts per million above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions specified in paragraph (c)(4) (iii) or (v) shall be taken.

(c)(4)(v) For any location where monitored methane concentration equals or exceeds 500 parts per million above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Administrator for approval.

(c)(5) The permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.

(d) Each permittee seeking to comply with the provisions in paragraph (c) of this section shall comply with the following

## SECTION E. Source Group Restrictions.

instrumentation specifications and procedures for surface emission monitoring devices:

(d)(1) The portable analyzer shall meet the instrument specifications provided in section 3 of Method 21 of appendix A of this part, except that methane shall replace all references to VOC.

(d)(2) The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air.

(d)(3) To meet the performance evaluation requirements in section 3.1.3 of Method 21 of appendix A of this part, the instrument evaluation procedures of section 4.4 of Method 21 of appendix A of this part shall be used.

(d)(4) The calibration procedures provided in section 4.2 of Method 21 of appendix A of this part shall be followed immediately before commencing a surface monitoring survey.

(e) The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.

## VII. ADDITIONAL REQUIREMENTS.

### # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.750]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Applicability, designation of affected facility, and delegation of authority.

The landfill is subject to Subpart WWW of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director  
Air Protection Division  
EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager  
PA Department of Environmental Protection  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

### # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.752]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Standards for air emissions from municipal solid waste landfills.

[Additional authority for this condition is derived from 25 Pa Code 127.1 and 40 CFR 63.1955]

The permittee shall comply with all of the applicable requirements of 40 CFR Part 60, Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills), which implement the Section 111(d) requirement of the Clean Air Act. The application requirements include emission standards, operational standards, test methods and procedures, initial design capacity report and monitoring, recordkeeping and reporting requirements. Compliance shall be shown as set forth in 40 CFR 60.755.

### # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.759]

#### Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills

##### Specifications for active collection systems.

(a) Each permittee seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the following procedures unless alternative procedures have been approved by the Administrator as provided in 40 CFR 60.752(b)(2)(i)

## SECTION E. Source Group Restrictions.

(C) and (D):

(a)(1) The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat.

(a)(2) The sufficient density of gas collection devices determined in 40 CFR 60.759(a)(1) shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior.

(a)(3) The placement of gas collection devices determined in 40 CFR 60.759(a)(1) shall control all gas producing areas, except as provided by 40 CFR 60.759(a)(3)(i) and 40 CFR 60.759(a)(3)(ii).

(a)(3)(i) Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 40 CFR 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request.

(a)(3)(ii) Any nonproductive area of the landfill may be excluded from control, provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the following equation:

$$Q_i = 2 k L_o M_i (e^{-k t_i}) (\text{CNMOC}) (3.6 \times 10^{-9})$$

where,

$Q_i$  = NMOC emission rate from the  $i$  th section, megagrams per year

$k$  = methane generation rate constant, year<sup>-1</sup>

$L_o$  = methane generation potential, cubic meters per megagram solid waste

$M_i$  = mass of the degradable solid waste in the  $i$  th section, megagram

$t_i$  = age of the solid waste in the  $i$  th section, years

CNMOC = concentration of nonmethane organic compounds, parts per million by volume

$3.6 \times 10^{-9}$  = conversion factor

(a)(3)(iii) The values for  $k$  and CNMOC determined in field testing shall be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (this distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for  $k$ ,  $L_o$  and CNMOC provided in 40 CFR 60.754(a)(1) or the alternative values from 40 CFR 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph (a)(3)(i) of this section.

(b) Each permittee seeking to comply with 40 CFR 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures:

(b)(1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration.

## SECTION E. Source Group Restrictions.

(b)(2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations.

(b)(3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness.

(c) Each permittee seeking to comply with 40 CFR 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 40 CFR 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures:

(c)(1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in 40 CFR 60.759(c)(2) shall be used.

(c)(2) For new collection systems, the maximum flow rate shall be in accordance with 40 CFR 60.755(a)(1).

\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION E. Source Group Restrictions.**

Group Name: SG03

Group Description: 40 CFR 63 Subpart AAAA

Sources included in this group

ID	Name
101	LANDFILL, OLD CELL
104	LANDFILL, NEW CELLS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1980]****Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills****What records and reports must I keep and submit?**

(a) Keep records and reports as specified in 40 CFR part 60, subpart WWW, or in the Federal plan, EPA approved State plan or tribal plan that implements 40 CFR part 60, subpart Cc, whichever applies to the permittee's landfill, with one exception: The permittee must submit the annual report described in 40 CFR 60.757(f) every 6 months.

(b) The permittee must also keep records and reports as specified in the general provisions of 40 CFR part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports.

(c) NOT APPLICABLE - no bioreactor

(d) NOT APPLICABLE - no bioreactor

(e) NOT APPLICABLE - no bioreactor

(f) NOT APPLICABLE - no bioreactor

(g) NOT APPLICABLE - no bioreactor

(h) NOT APPLICABLE - no bioreactor

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1955]****Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills****What requirements must I meet?**

(a) The permittee must fulfill one of the requirements in paragraph (a)(1) or (2) of this section, whichever is applicable:

(a)(1) Comply with the requirements of 40 CFR part 60, subpart WWW.

## SECTION E. Source Group Restrictions.

(a)(2) NOT APPLICABLE - permittee complies with Subpart WWW

(b) If the permittee is required by 40 CFR 60.752(b)(2) of subpart WWW, the Federal plan, or an EPA approved and effective State or tribal plan to install a collection and control system, the permittee must comply with the requirements in 40 CFR 63.1960 through 40 CFR 63.1985 and with the general provisions of this part specified in table 1 of this subpart.

(c) For approval of collection and control systems that include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions, the permittee must follow the procedures in 40 CFR 60.752(b)(2). If alternatives have already been approved under 40 CFR part 60 subpart WWW or the Federal plan, or EPA approved and effective State or tribal plan, these alternatives can be used to comply with this subpart, except that all affected sources must comply with the SSM requirements in Subpart A of this part as specified in Table 1 of this subpart and all affected sources must submit compliance reports every 6 months as specified in 40 CFR 63.1980(a) and (b), including information on all deviations that occurred during the 6-month reporting period. Deviations for continuous emission monitors or numerical continuous parameter monitors must be determined using a 3 hour monitoring block average.

(d) NOT APPLICABLE - no bioreactor

### # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1965]

#### Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills What is a deviation?

A deviation is defined in 40 CFR 63.1990. For the purposes of the landfill monitoring and SSM plan requirements, deviations include the items in paragraphs (a) through (c) of this section.

(a) A deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of subpart WWW are exceeded.

(b) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour.

(c) A deviation occurs when a SSM plan is not developed or maintained on site.

### # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1975]

#### Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills How do I calculate the 3-hour block average used to demonstrate compliance?

Averages are calculated in the same way as they are calculated in 40 CFR part 60, subpart WWW, except that the data collected during the events listed in paragraphs (a), (b), (c), and (d) of this section are not to be included in any average computed under this subpart:

(a) Monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments.

(b) Startups.

(c) Shutdowns.

(d) Malfunctions.

## VII. ADDITIONAL REQUIREMENTS.

### # 005 [25 Pa. Code §127.512]

#### Operating permit terms and conditions.

Table 1 of Subpart AAAA shows which parts of the General Provisions in 40 CFR 63.1 through 40 CFR 63.15 apply to the permittee. This table is incorporated by reference.

### # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1935]

#### Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills Am I subject to this subpart?

The landfill is subject to Subpart AAAA of the National Emission Standards for Hazardous Air Pollutants for Source

## SECTION E. Source Group Restrictions.

Categories and shall comply with all applicable requirements of this Subpart. 40 CFR Section 63.13 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager  
PA Department of Environmental Protection  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

### # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1950]

#### **Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills** **When am I no longer required to comply with this subpart?**

The permittee is no longer required to comply with the requirements of this subpart when the permittee is no longer required to apply controls as specified in 40 CFR 60.752(b)(2)(v) of subpart WWW, or the Federal plan or EPA approved and effective State plan or tribal plan that implements 40 CFR part 60, subpart Cc, whichever applies to the landfill of the permittee.

### # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1960]

#### **Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills** **How is compliance determined?**

Compliance is determined in the same way it is determined for 40 CFR part 60, subpart WWW, including performance testing, monitoring of the collection system, continuous parameter monitoring, and other credible evidence. In addition, continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d) of subpart WWW, are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operating conditions described in this subpart and have deviated from the requirements of this subpart. Finally, the permittee must develop a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart.

\*\*\* **Permit Shield in Effect.** \*\*\*

## SECTION E. Source Group Restrictions.

Group Name: SG04

Group Description: 40 CFR 61 Subpart M

Sources included in this group

ID	Name
101	LANDFILL, OLD CELL
104	LANDFILL, NEW CELLS

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [40 CFR Part 61 NESHAPs §40 CFR 61.154]

#### Subpart M--National Emission Standard for Asbestos Standard for active waste disposal sites.

Each permittee of an active waste disposal site that receives asbestos-containing waste material from a source covered under 40 CFR 61.149, 61.150, or 61.155 shall meet the requirements of this section:

61.154(a) Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of paragraph (c) or (d) of this section must be met.

61.154(b) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of paragraph (c)(1) of this section must be met.

(b)(1) Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material is deposited. The warning signs must:

(b)(1)(i) Be posted in such a manner and location that a person can easily read the legend; and

(b)(1)(ii) Conform to the requirements of 51 cm × 36 cm (20[inch]×14[inch]) upright format signs specified in 29 CFR 1910.145(d)(4) and this paragraph; and

## SECTION E. Source Group Restrictions.

(b)(1)(iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

**Legend:**

Asbestos Waste Disposal Site

Do Not Create Dust

Breathing Asbestos is Hazardous to Your Health

**Notation:**

2.5 cm (1 inch) Sans Serif, Gothic or Block.

1.9 cm ( 3/4 inch) Sans Serif, Gothic or Block.

14 Point Gothic.

Spacing between any two lines must be at least equal to the height of the upper of the two lines.

(b)(2) The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public.

(b)(3) Upon request and supply of appropriate information, the Administrator will determine whether a fence or a natural barrier adequately deters access by the general public.

(c) Rather than meet the no visible emission requirement of paragraph (a) of this section, at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos-containing waste material that has been deposited at the site during the operating day or previous 24-hour period shall:

(c)(1) Be covered with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, or

(c)(2) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the Administrator. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

(d) Rather than meet the no visible emission requirement of paragraph (a) of this section, use an alternative emissions control method that has received prior written approval by the Administrator according to the procedures described in 40 CFR 61.149(c)(2).

(e) For all asbestos-containing waste material received, the permittee of the active waste disposal site shall:

(e)(1) Maintain waste shipment records, using a form similar to that shown in Figure 4 of 40 CFR 61 Subpart M, and include the following information:

(e)(1)(i) The name, address, and telephone number of the waste generator.

(e)(1)(ii) The name, address, and telephone number of the transporter(s).

(e)(1)(iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards).

(e)(1)(iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report.

(e)(1)(v) The date of the receipt.

(e)(2) As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed waste shipment record to the waste generator.

(e)(3) Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible

**SECTION E. Source Group Restrictions.**

for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

(e)(4) Retain a copy of all records and reports required by this paragraph for at least 2 years.

(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

(g) Upon closure, comply with all the provisions of 40 CFR 61.151.

(h) Submit to the Administrator, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities.

(i) Furnish upon request, and make available during normal business hours for inspection by the Administrator, all records required under this section.

(j) Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

(j)(1) Scheduled starting and completion dates.

(j)(2) Reason for disturbing the waste.

(j)(3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Administrator may require changes in the emission control procedures to be used.

(j)(4) Location of any temporary storage site and the final disposal site.

\*\*\* **Permit Shield in Effect.** \*\*\*



## **SECTION F. Alternative Operation Requirements.**

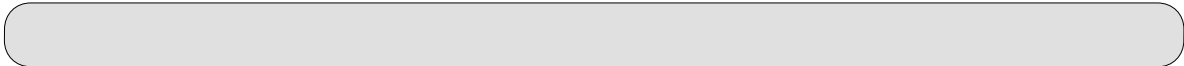
No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

- 1) The following activities are not required to meet any emission restrictions, testing and monitoring requirements, reporting requirements or work practices standards:
  - a) Portable Lights
  - b) 1,000 gallon Waste Oil Storage Tank
  - c) 1,000 gallon Propane Storage Tank
  - d) Vacuum Groundwater Recovery Well
  - e) 100 gallon Gasoline Storage Tank
  - f) 275 gallon Diesel Storage Tank
  - g) 3,000 gallon Diesel Storage Tank
- 2) This Title V Operating Permit renewal is for the Operating Permit 06-05078 issued January 4, 2012 and supercedes that permit.



\*\*\*\*\* End of Report \*\*\*\*\*

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